

# INSTRUMENTED LOCK ENTRY AND TRAVERSING SYSTEM

## Abstract

An instrumented navigation system for aiding a towboat and barge configuration in the entry and traversal of a lock located on a waterway or for navigation around other structures, such as bridge piers or docks. The system consists of wirelessly linked computers on the towboat and the lock which display navigational charts showing the position of the tows as they approach and enter the locks. The computers are also linked to sensors which send information, such as the speed and position of the tows, to the computers for display.